

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number:

10/584,837A

Source:

TFW

Date Processed by STIC:

2/15/07

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 02/15/2007

PATENT APPLICATION: US/10/584,837A

TIME: 15:11:03

Input Set : N:\efs\02\_15\_07\10584837a\_efs\21440150002SequenceLising.txt

Output Set: N:\CRF4\02152007\J584837A.raw

```

3 <110> APPLICANT: Morimoto, Chikao
4      Ohnuma, Kei
6 <120> TITLE OF INVENTION: METHODS OF IDENTIFYING IMMUNOREGULATORY AGENTS,
7      IMMUNOREGULATORY AGENTS, AND USES THEREOF
9 <130> FILE REFERENCE: 2144.0150002
11 <140> CURRENT APPLICATION NUMBER: US 10/584,837A
12 <141> CURRENT FILING DATE: 2006-06-27
14 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/019846
15 <151> PRIOR FILING DATE: 2004-12-28
17 <150> PRIOR APPLICATION NUMBER: US 60/532,723
18 <151> PRIOR FILING DATE: 2003-12-29
20 <160> NUMBER OF SEQ ID NOS: 12
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 59
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: an artificially synthesized primer sequence
32 <400> SEQUENCE: 1
33 ggacgcgttt tagcattttg gtctaaacta atttataatt atttagcctt atttctcca      59
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 45
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: an artificially synthesized primer sequence
44 <400> SEQUENCE: 2
45 ggacgcgttt ggaatttaaa atgttcaaaa tgatttgtct ggatg      45
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 38
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: an artificially synthesized primer sequence
56 <400> SEQUENCE: 3
57 ggacgcgttt ggttgtggaa attggcaggg ttaggtgg      38
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 37
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: an artificially synthesized primer sequence

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68 <400> SEQUENCE: 4
69 ggacgcgtat tcaggctcat cttaacgtca tgtctgg 37
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 32
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: an artificially synthesized primer sequence
80 <400> SEQUENCE: 5
81 cgctcgagtg tgctagtcctc tggtacagca gc 32
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 23
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: an artificially synthesized oligonucleotide for siRNA
93 <220> FEATURE:
94 <221> NAME/KEY: misc_feature
95 <223> OTHER INFORMATION: combined DNA/RNA sequence
97 <220> FEATURE:
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: (22)..(23)
100 <223> OTHER INFORMATION: n is 2'-deoxythymidine
102 <400> SEQUENCE: 6
W--> 103 aacaacaagg ccauggcaga cnn 23
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 23
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: an artificially synthesized oligonucleotide for siRNA
115 <220> FEATURE:
116 <221> NAME/KEY: misc_feature
117 <223> OTHER INFORMATION: combined DNA/RNA sequence
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature
121 <222> LOCATION: (22)..(23)
122 <223> OTHER INFORMATION: n is 2'-deoxythymidine
124 <400> SEQUENCE: 7
W--> 125 aaggagaucg accuggucaa cnn 23
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 23
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: an artificially synthesized oligonucleotide for siRNA
137 <220> FEATURE:
138 <221> NAME/KEY: misc_feature
139 <223> OTHER INFORMATION: combined DNA/RNA sequence

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Output Set: N:\CRF4\02152007\J584837A.raw

```

141 <220> FEATURE:
142 <221> NAME/KEY: misc_feature
143 <222> LOCATION: (22)..(23)
144 <223> OTHER INFORMATION: n is 2'-deoxythymidine
146 <400> SEQUENCE: 8
W--> 147 uacaagaagg gcauggcaga cnn 23
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 23
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: an artificially synthesized oligonucleotide for siRNA
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: combined DNA/RNA sequence
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (22)..(23)
166 <223> OTHER INFORMATION: n is 2'-deoxythymidine
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W--> 169 aaguuggcca agaauuacgg cnn 23
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 22
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: an artificially synthesized oligonucleotide for siRNA
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <223> OTHER INFORMATION: combined DNA/RNA sequence
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <222> LOCATION: (21)..(22)
188 <223> OTHER INFORMATION: n is 2'-deoxythymidine
190 <400> SEQUENCE: 10
W--> 191 aacaaggau cgcacauaac nn 22
194 <210> SEQ ID NO: 11
195 <211> LENGTH: 23
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: an artificially synthesized oligonucleotide for siRNA
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <223> OTHER INFORMATION: combined DNA/RNA sequence
207 <220> FEATURE:
208 <221> NAME/KEY: misc_feature
209 <222> LOCATION: (22)..(23)
210 <223> OTHER INFORMATION: n is 2'-deoxythymidine

```

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Input Set : N:\efs\02\_15\_07\10584837a\_efs\21440150002SequenceLising.txt

Output Set: N:\CRF4\02152007\J584837A.raw

```
212 <400> SEQUENCE: 11
W--> 213 uaguucgcca aguauuaccg cnn                23
216 <210> SEQ ID NO: 12
217 <211> LENGTH: 11
218 <212> TYPE: PRT
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 12
223 Trp Val Tyr Glu Glu Glu Val Phe Ser Ala Tyr
224 1                    5                    10
```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/584,837A

DATE: 02/15/2007  
TIME: 15:11:04

Input Set : N:\efs\02\_15\_07\10584837a\_efs\21440150002SequenceLising.txt  
Output Set: N:\CRF4\02152007\J584837A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 22,23 ✓  
Seq#:7; N Pos. 22,23 ✓  
Seq#:8; N Pos. 22,23 ✓  
Seq#:9; N Pos. 22,23 ✓  
Seq#:10; N Pos. 21,22 ✓  
Seq#:11; N Pos. 22,23 ✓

**VERIFICATION SUMMARY**

DATE: 02/15/2007

PATENT APPLICATION: US/10/584,837A

TIME: 15:11:04

Input Set : N:\efs\02\_15\_07\10584837a\_efs\21440150002SequenceLising.txt

Output Set: N:\CRF4\02152007\J584837A.raw

L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0